

# PATENT ABSTRACTS OF JAPAN

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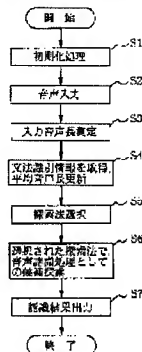
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(54) SPEECH RECOGNITION DEVICE, SPEECH RECOGNITION METHOD AND STORAGE MEDIUM STORED WITH PROGRAM TO EXECUTE THE METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To realize highly efficient candidate search while switching grammars for speech recognition.

SOLUTION: When speech is inputted (S2), the length of inputted speech is measured (S3). When a grammar which is to be used to recognize the inputted speech is specified from an application program side, cumulative input speech lengths that are stored to be made correspond to the grammar identification information and the number of speech inputs are obtained and updated. Then, an average speech length is updated from the updated cumulative input speech lengths and the number of speech inputs (S4). In parallel with the updating process, an appropriate searching method is selected employing the size of the specified grammar and the average speech length in the speech recognition processing conducted in the past using the grammar (S5). Then, a candidate search is conducted with the inputted speech as a recognition process by using the selected searching method (S6) and a recognition result is outputted (S7).



## LEGAL STATUS

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